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Relevance scale ☐**1 Getting better while getting less: improve your service without expanding your budget**

☒ Dave Pecora  
 October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services SIGUCCS '04**

**Publisher:** ACM PressFull text available: ☐ pdf(173.01 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)

The past few years have been nothing if not challenging for most universities. Shrinking endowmen and increased competition to attract the best students have had an impact on computing services bu across the country.

Rising expectations in the face of limited resources is common across all disciplines, but this phenomenon hits IT departments particularly hard for one simple fact: as every other department loo to improve their service while cutting their staff, they all look f ...

**Keywords:** customer service, customer support, improvement**2 Level II technical support in a distributed computing environment**

☒ Tim Lechane  
 September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services SIGUCCS '96**

**Publisher:** ACM PressFull text available: ☐ pdf(5.73 MB)Additional Information: [full citation](#), [references](#), [index terms](#)**3 Distrbuted VEEs: PDS: a virtual execution environment for software deployment**

☒ Bowen Alpern, Joshua Auerbach, Vasanth Bala, Thomas Frauenhofer, Todd Mummert, Michael Pig  
 June 2005 **Proceedings of the 1st ACM/USENIX international conference on Virtual execution environments VEE '05**

**Publisher:** ACM PressFull text available: ☐ pdf(299.26 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citing](#), [index terms](#)

The Progressive Deployment System (PDS) is a virtual execution environment and infrastructure designed specifically for deploying software, or "assets", on demand while enabling management from a central location. PDS intercepts a select subset of system calls on the target machine to provide a partial virtualization at the operating system level. This enables an asset's install-time environment to be reproduced virtually while otherwise not isolating the asset from peer applications on the target ...

**Keywords:** deployment, installation, management, streaming, virtualization

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Relevance scale ☐1 [A taxonomy of Data Grids for distributed data sharing, management, and processing](#)
☒ Srikumar Venugopal, Rajkumar Buyya, Kotagiri Ramamohanarao
June 2006 **ACM Computing Surveys (CSUR)**, Volume 38 Issue 1

Publisher: ACM Press

Full text available: ☐ pdf(1.70 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Data Grids have been adopted as the next generation platform by many scientific communities that to share, access, transport, process, and manage large data collections distributed worldwide. They combine high-end computing technologies with high-performance networking and wide-area storage management techniques. In this article, we discuss the key concepts behind Data Grids and compare them with other data sharing and distribution paradigms such as content delivery networks, peer-to-n ...

**Keywords:** Grid computing, data-intensive applications, replica management, virtual organizations2 [Frameworks for component-based client/server computing](#)
☒ Scott M. Lewandowski
March 1998 **ACM Computing Surveys (CSUR)**, Volume 30 Issue 1

Publisher: ACM Press

Full text available: ☐ pdf(243.81 KB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)3 [Access Control Models and Mechanisms: Cryptographic access control in a distributed file system](#)
☒ Anthony Harrington, Christian Jensen
June 2003 **Proceedings of the eighth ACM symposium on Access control models and technology SACMAT '03**

Publisher: ACM Press

Full text available: ☐ pdf(249.24 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Traditional access control mechanisms rely on a reference monitor to mediate access to protected resources. Reference monitors are inherently centralized and existing attempts to distribute the

functionality of the reference monitor suffer from problems of scalability. Cryptographic access control is a new distributed access control paradigm designed for a global federation of information systems: defines an implicit access control mechanism, which relies exclusively on cryptography to provide .

**Keywords:** access control, cryptography, network file systems

#### 4 Wide-area cooperative storage with CFS

☐ Frank Dabek, M. Frans Kaashoek, David Karger, Robert Morris, Ion Stoica  
October 2001 **ACM SIGOPS Operating Systems Review , Proceedings of the eighteenth ACM symposium on Operating systems principles SOSP '01**, Volume 35 Issue 5  
**Publisher:** ACM Press  
Full text available: ☐ pdf(1.25 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Cooperative File System (CFS) is a new peer-to-peer read-only storage system that provides provable guarantees for the efficiency, robustness, and load-balance of file storage and retrieval. CFS does this with a completely decentralized architecture that can scale to large systems. CFS servers provide a distributed hash table (DHash) for block storage. CFS clients interpret DHash blocks as a system. DHash distributes and caches blocks at a fine granularity to achieve load balance, uses ...

#### 5 Article abstracts with full text online: The liquid architecture: a non-linear peer-to-peer distributed architecture with polymorphic message passing

☐ Coskun Bayrak, Chad Davis  
May 2003 **ACM SIGSOFT Software Engineering Notes**, Volume 28 Issue 3  
**Publisher:** ACM Press  
Full text available: ☐ pdf(296.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#)


In terms of benefiting from the potential to be gained from full distribution, today's most common implementations of distributed systems follow only limited linear versions of distribution such as client-server or n-tier models. Even many "peer to peer" systems still rely on centralized servers to provide message passing connectivity between the peers. While these systems do provide increased robustness and computational speedup, they fail to realize the full measure of what fully distributed ...

**Keywords:** P2P, architecture, distributed systems, networking, peer-to-peer, real time systems, software engineering, virtual collaboration

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C Heyer - innovexpo.itee.uq.edu.au

... A peer-to-peer **file sharing** network has obvious prerequisite features, such as the ... set of peers that a client knows about, who then rebroadcast the **message** to ...

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... faster and even easier. With the invention of Napster and subsequent peer-to-peer (p2p) **file sharing** programs like ... involved in **file sharing**. ...

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